Serial Number: 10/063,557

ENTERED

- [ ] Changed a file from non-ASCII to ASCII.

- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically:
_____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included:
_____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically:
_____

- [x] Deleted: [ ] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as_____.

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically:
_____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically:
_____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [ ] Other:
_____
_____
_____
_____

'Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING   DATE: 02/12/2003
PATENT APPLICATION: US/10/063,557   TIME: 08:48:20

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

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 3 <110> APPLICANT: Genentech, Inc.
 4        Eaton,Dan L.
 5        Filvaroff,Ellen
 6        Gerritsen,Mary E.
 7        Goddard,Audrey
 8        Godowski,Paul J.
 9        Grimaldi,Christopher J.
10        Gurney,Austin L.
11        Watanabe,Colin K.
12        Wood,William I.
14 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
15        ACIDS ENCODING THE SAME
17 <130> FILE REFERENCE: GNE.3230R1C39
19 <140> CURRENT APPLICATION NUMBER: US 10/063,557
20 <141> CURRENT FILING DATE: 2002-05-02
22 <150> PRIOR APPLICATION NUMBER: PCT/US00/23328
23 <151> PRIOR FILING DATE: 2000-08-24
25 <150> PRIOR APPLICATION NUMBER: PCT/US99/20111
26 <151> PRIOR FILING DATE: 1999-09-01
28 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
29 <151> PRIOR FILING DATE: 1999-09-15
31 <150> PRIOR APPLICATION NUMBER: US 60/169,495
32 <151> PRIOR FILING DATE: 1999-12-07
34 <150> PRIOR APPLICATION NUMBER: US 60/170,262
35 <151> PRIOR FILING DATE: 1999-12-09
37 <150> PRIOR APPLICATION NUMBER: US 60/175,481
38 <151> PRIOR FILING DATE: 2000-01-11
40 <150> PRIOR APPLICATION NUMBER: PCT/US00/04341
41 <151> PRIOR FILING DATE: 2000-02-18
43 <150> PRIOR APPLICATION NUMBER: PCT/US00/04342
44 <151> PRIOR FILING DATE: 2000-02-18
46 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
47 <151> PRIOR FILING DATE: 2000-02-22
49 <150> PRIOR APPLICATION NUMBER: PCT/US00/05601
50 <151> PRIOR FILING DATE: 2000-03-01
52 <150> PRIOR APPLICATION NUMBER: US 60/187,202
53 <151> PRIOR FILING DATE: 2000-03-03
55 <150> PRIOR APPLICATION NUMBER: US 60/191,007
56 <151> PRIOR FILING DATE: 2000-03-21
58 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
59 <151> PRIOR FILING DATE: 2000-03-30
61 <150> PRIOR APPLICATION NUMBER: US 60/199,397
62 <151> PRIOR FILING DATE: 2000-04-25
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RAW SEQUENCE LISTING   DATE: 02/12/2003
PATENT APPLICATION: US/10/063,557   TIME: 08:48:20

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

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 64 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
 65 <151> PRIOR FILING DATE: 2000-05-22
 69 <150> PRIOR APPLICATION NUMBER: US 60/209,832
 70 <151> PRIOR FILING DATE: 2000-06-05
 72 <160> NUMBER OF SEQ ID NOS: 170
 74 <210> SEQ ID NO: 1
 75 <211> LENGTH: 1173
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Homo Sapien
 79 <400> SEQUENCE: 1
 80  ggggcttcgg cgccagcggc cagcgctagt cggtctggta aggatttaca 50
 82  aaaggtgcag gtatgagcag gtctgaagac taacattttg tgaagttgta 100
 84  aaacagaaaa cctgttagaa atgtggtggt ttcagcaagg cctcagtttc 150
 86  cttccttcag cccttgtaat ttggacatct gctgctttca tattttcata 200
 88  cattactgca gtaacactcc accatataga cccggcttta ccttatatca 250
 90  gtgacactgg tacagtagct ccagaaaaat gcttatttgg ggcaatgcta 300
 92  aatattgcgg cagtttttatg cattgctacc atttatgttc gttataagca 350
 94  agttcatgct ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg 400
 96  ctggccttgt acttggaata ctgagttgtt taggactttc tattgtggca 450
 98  aacttccaga aaacaaccct ttttgctgca catgtaagtg gagctgtgct 500
100  tacctttggt atgggctcat tatatatgtt tgttcagacc atcctttcct 550
102  accaaatgca gcccaaaatc catggcaaac aagtcttctg gatcagactg 600
104  ttgttggtta tctggtgtgg agtaagtgca cttagcatgc tgacttgctc 650
106  atcagttttg cacagtggca attttgggac tgatttagaa cagaaactcc 700
108  attggaaccc cgaggacaaa ggttatgtgc ttcacatgat cactactgca 750
110  gcagaatggt ctatgtcatt ttccttcttt ggttttttcc tgacttacat 800
112  tcgtgatttt cagaaaattt ctttacgggt ggaagccaat ttacatggat 850
114  taaccctcta tgacactgca ccttgcccta ttaacaatga acgaacacgg 900
116  ctactttcca gagatatttg atgaaaggat aaaatatttc tgtaatgatt 950
118  atgattctca gggattgggg aaaggttcac agaagttgct tattcttctc 1000
120  tgaaattttc aaccacttaa tcaaggctga cagtaacact gatgaatgct 1050
122  gataatcagg aaacatgaaa gaagccattt gatagattat tctaaaggat 1100
124  atcatcaaga agactattaa aaacacctat gcctatactt ttttatctca 1150
126  gaaaataaag tcaaaagact atg 1173
128 <210> SEQ ID NO: 2
129 <211> LENGTH: 266
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo Sapien
134 <400> SEQUENCE: 2
135  Met Trp Trp Phe Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu
136   1               5                  10                  15
138  Val Ile Trp Thr Ser Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala
139                 20                  25                  30
141  Val Thr Leu His His Ile Asp Pro Ala Leu Pro Tyr Ile Ser Asp
142                 35                  40                  45
144  Thr Gly Thr Val Ala Pro Glu Lys Cys Leu Phe Gly Ala Met Leu
145                 50                  55                  60
147  Asn Ile Ala Ala Val Leu Cys Ile Ala Thr Ile Tyr Val Arg Tyr
148                 65                  70                  75
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RAW SEQUENCE LISTING   DATE: 02/12/2003
PATENT APPLICATION: US/10/063,557   TIME: 08:48:20

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

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150   Lys Gln Val His Ala Leu Ser Pro Glu Glu Asn Val Ile Ile Lys
151                   80                  85                  90
153   Leu Asn Lys Ala Gly Leu Val Leu Gly Ile Leu Ser Cys Leu Gly
154                   95                 100                 105
156   Leu Ser Ile Val Ala Asn Phe Gln Lys Thr Thr Leu Phe Ala Ala
157                  110                 115                 120
159   His Val Ser Gly Ala Val Leu Thr Phe Gly Met Gly Ser Leu Tyr
160                  125                 130                 135
162   Met Phe Val Gln Thr Ile Leu Ser Tyr Gln Met Gln Pro Lys Ile
163                  140                 145                 150
165   His Gly Lys Gln Val Phe Trp Ile Arg Leu Leu Leu Val Ile Trp
166                  155                 160                 165
168   Cys Gly Val Ser Ala Leu Ser Met Leu Thr Cys Ser Ser Val Leu
169                  170                 175                 180
171   His Ser Gly Asn Phe Gly Thr Asp Leu Glu Gln Lys Leu His Trp
172                  185                 190                 195
174   Asn Pro Glu Asp Lys Gly Tyr Val Leu His Met Ile Thr Thr Ala
175                  200                 205                 210
177   Ala Glu Trp Ser Met Ser Phe Ser Phe Phe Gly Phe Phe Leu Thr
178                  215                 220                 225
180   Tyr Ile Arg Asp Phe Gln Lys Ile Ser Leu Arg Val Glu Ala Asn
181                  230                 235                 240
183   Leu His Gly Leu Thr Leu Tyr Asp Thr Ala Pro Cys Pro Ile Asn
184                  245                 250                 255
186   Asn Glu Arg Thr Arg Leu Leu Ser Arg Asp Ile
187                  260                 265
189   <210> SEQ ID NO: 3
190   <211> LENGTH: 2037
191   <212> TYPE: DNA
192   <213> ORGANISM: Homo Sapien
194   <400> SEQUENCE: 3
195   cggacgcgtg ggcggacgcg tggggggagag ccgcagtccc ggctgcagca 50
199   cctgggagaa ggcagaccgt gtgagggggc ctgtggcccc agcgtgctgt 100
201   ggcctcgggg agtgggaagt ggaggcagga gccttcctta cacttcgcca 150
203   tgagtttcct catcgactcc agcatcatga ttacctccca gatactattt 200
205   tttggatttg ggtggctttt cttcatgcgc caattgttta aagactatga 250
207   gatacgtcag tatgttgtac aggtgatctt ctccgtgacg tttgcatttt 300
209   cttgcaccat gtttgagctc atcatctttg aaatcttagg agtattgaat 350
211   agcagctccc gttatttca ctggaaaatg aacctgtgtg taattctgct 400
213   gatcctggtt ttcatggtgc cttttttacat tggctatttt attgtgagca 450
215   atatccgact actgcataaa caacgactgc ttttttcctg tctcttatgg 500
217   ctgacctttta tgtatttctt ctggaaacta ggagatccct ttcccattct 550
219   cagcccaaaa catgggatct tatccataga acagctcatc agccgggttg 600
221   gtgtgattgg agtgactctc atggctcttc tttctggatt tggtgctgtc 650
223   aactgcccat acacttacat gtcttacttc ctcaggaatg tgactgacac 700
225   ggatattcta gccctggaac ggcgactgct gcaaaccatg gatatgatca 750
227   taagcaaaaa gaaaaggatg gcaatggcac ggagaacaat attccaggaag 800
229   ggggaagtgc ataacaaacc atcaggtttc tgggggaatga taaaaagtgt 850
231   taccacttca gcatcaggaa gtgaaaatct tactcttatt caacaggaag 900
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RAW SEQUENCE LISTING   DATE: 02/12/2003
PATENT APPLICATION: US/10/063,557   TIME: 08:48:20

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

```
233  tggatgcttt ggaagaatta agcaggcagc tttttctgga aacagctgat 950
235  ctatatgcta ccaaggagag aatagaatac tccaaaacct tcaaggggaa 1000
237  atattttaat tttcttggtt actttttctc tatttactgt gtttggaaaa 1050
239  ttttcatggc taccatcaat attgtttttg atcgagttgg gaaaacggat 1100
241  cctgtcacaa gaggcattga gatcactgtg aattatctgg gaatccaatt 1150
243  tgatgtgaag ttttggtccc aacacatttc cttcattctt gttggaataa 1200
245  tcatcgtcac atccatcaga ggattgctga tcactcttac caagttcttt 1250
247  tatgccatct ctagcagtaa gtcctccaat gtcattgtcc tgctattagc 1300
249  acagataatg ggcatgtact ttgtctcctc tgtgctgctg atccgaatga 1350
251  gtatgccttt agaataccgc accataatca ctgaagtcct tggagaactg 1400
253  cagttcaact tctatcaccg ttggtttgat gtgatcttcc tggtcagcgc 1450
255  tctctctagc atactcttcc tctatttggc tcacaaacag gcaccagaga 1500
257  agcaaatggc accttgaact taagcctact acagactgtt agaggccagt 1550
259  ggtttcaaaa tttagatata agagggggga aaaatggaac cagggcctga 1600
261  cattttataa acaaacaaaa tgctatggta gcatttttca ccttcatagc 1650
264  atactccttc cccgtcaggt gatactatga ccatgagtag catcagccag 1700
266  aacatgagag ggagaactaa ctcaagacaa tactcagcag agagcatccc 1750
268  gtgtggatat gaggctggtg tagaggcgga gaggagccaa gaaactaaag 1800
270  gtgaaaaata cactggaact ctggggcaag acatgtctat ggtagctgag 1850
272  ccaaacacgt aggatttccg ttttaaggtt cacatggaaa aggttatagc 1900
274  tttgccttga gattgactca ttaaaatcag agactgtaac aaaaaaaaaa 1950
276  aaaaaaaaaa agggcggccg cgactctaga gtcgacctgc agaagcttgg 2000
278  ccgccatggc ccaacttgtt tattgcagct tataatg 2037
280  <210> SEQ ID NO: 4
281  <211> LENGTH: 455
282  <212> TYPE: PRT
283  <213> ORGANISM: Homo Sapien
285  <400> SEQUENCE: 4
286  Met Ser Phe Leu Ile Asp Ser Ser Ile Met Ile Thr Ser Gln Ile
287   1               5                  10                  15
289  Leu Phe Phe Gly Phe Gly Trp Leu Phe Phe Met Arg Gln Leu Phe
290                  20                  25                  30
292  Lys Asp Tyr Glu Ile Arg Gln Tyr Val Val Gln Val Ile Phe Ser
293                  35                  40                  45
295  Val Thr Phe Ala Phe Ser Cys Thr Met Phe Glu Leu Ile Ile Phe
296                  50                  55                  60
298  Glu Ile Leu Gly Val Leu Asn Ser Ser Ser Arg Tyr Phe His Trp
299                  65                  70                  75
301  Lys Met Asn Leu Cys Val Ile Leu Leu Ile Leu Val Phe Met Val
302                  80                  85                  90
304  Pro Phe Tyr Ile Gly Tyr Phe Ile Val Ser Asn Ile Arg Leu Leu
305                  95                 100                 105
307  His Lys Gln Arg Leu Leu Phe Ser Cys Leu Leu Trp Leu Thr Phe
308                 110                 115                 120
310  Met Tyr Phe Phe Trp Lys Leu Gly Asp Pro Phe Pro Ile Leu Ser
311                 125                 130                 135
313  Pro Lys His Gly Ile Leu Ser Ile Glu Gln Leu Ile Ser Arg Val
314                 140                 145                 150
316  Gly Val Ile Gly Val Thr Leu Met Ala Leu Leu Ser Gly Phe Gly
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003
TIME: 08:48:20

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
Output Set: N:\CRF4\02122003\J063557.raw

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317                    155                 160                 165
319  Ala Val Asn Cys Pro Tyr Thr Tyr Met Ser Tyr Phe Leu Arg Asn
320                    170                 175                 180
322  Val Thr Asp Thr Asp Ile Leu Ala Leu Glu Arg Arg Leu Leu Gln
323                    185                 190                 195
325  Thr Met Asp Met Ile Ile Ser Lys Lys Lys Arg Met Ala Met Ala
326                    200                 205                 210
329  Arg Arg Thr Met Phe Gln Lys Gly Glu Val His Asn Lys Pro Ser
330                    215                 220                 225
332  Gly Phe Trp Gly Met Ile Lys Ser Val Thr Thr Ser Ala Ser Gly
333                    230                 235                 240
335  Ser Glu Asn Leu Thr Leu Ile Gln Gln Glu Val Asp Ala Leu Glu
336                    245                 250                 255
338  Glu Leu Ser Arg Gln Leu Phe Leu Glu Thr Ala Asp Leu Tyr Ala
339                    260                 265                 270
341  Thr Lys Glu Arg Ile Glu Tyr Ser Lys Thr Phe Lys Gly Lys Tyr
342                    275                 280                 285
344  Phe Asn Phe Leu Gly Tyr Phe Phe Ser Ile Tyr Cys Val Trp Lys
345                    290                 295                 300
347  Ile Phe Met Ala Thr Ile Asn Ile Val Phe Asp Arg Val Gly Lys
348                    305                 310                 315
350  Thr Asp Pro Val Thr Arg Gly Ile Glu Ile Thr Val Asn Tyr Leu
351                    320                 325                 330
353  Gly Ile Gln Phe Asp Val Lys Phe Trp Ser Gln His Ile Ser Phe
354                    335                 340                 345
356  Ile Leu Val Gly Ile Ile Ile Val Thr Ser Ile Arg Gly Leu Leu
357                    350                 355                 360
359  Ile Thr Leu Thr Lys Phe Phe Tyr Ala Ile Ser Ser Ser Lys Ser
360                    365                 370                 375
362  Ser Asn Val Ile Val Leu Leu Leu Ala Gln Ile Met Gly Met Tyr
363                    380                 385                 390
365  Phe Val Ser Ser Val Leu Leu Ile Arg Met Ser Met Pro Leu Glu
366                    395                 400                 405
368  Tyr Arg Thr Ile Ile Thr Glu Val Leu Gly Glu Leu Gln Phe Asn
369                    410                 415                 420
371  Phe Tyr His Arg Trp Phe Asp Val Ile Phe Leu Val Ser Ala Leu
372                    425                 430                 435
374  Ser Ser Ile Leu Phe Leu Tyr Leu Ala His Lys Gln Ala Pro Glu
375                    440                 445                 450
377  Lys Gln Met Ala Pro
378                    455
380  <210> SEQ ID NO: 5
381  <211> LENGTH: 2372
382  <212> TYPE: DNA
383  <213> ORGANISM: Homo Sapien
385  <400> SEQUENCE: 5
386  agcagggaaa tccggatgtc tcggttatga agtggagcag tgagtgtgag 50
388  cctcaacata gttccagaac tctccatccg gactagttat tgagcatctg 100
390  cctctcatat caccagtggc catctgaggt gtttccctgg ctctgaaggg 150
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/12/2003
PATENT APPLICATION: US/10/063,557 TIME: 08:48:21

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:73; N Pos. 1528

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003
TIME: 07:59:05

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
Output Set: N:\CRF4\02122003\J063557.raw

2 <110> APPLICANT: Genentech, Inc.
3   Eaton, Dan I.
4   Filvaroff, Ellen
5   Gerritsen, Mary E.
7   Goddard, Audrey
8   Godowski, Paul J.
9   Grimaldi, Christopher J.
10   Gurney, Austin L.
11   Watanabe, Colin K.
12   Wood, William I.
14 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
15   ACIDS ENCODING THE SAME
17 <130> FILE REFERENCE: GNE.0730P1C39
19 <140> CURRENT APPLICATION NUMBER: US 10/063,557
20 <141> CURRENT FILING DATE: 2002-02-02
22 <150> PRIOR APPLICATION NUMBER: PCT/US00/23328
23 <151> PRIOR FILING DATE: 2000-08-24
25 <150> PRIOR APPLICATION NUMBER: PCT/US99/20111
26 <151> PRIOR FILING DATE: 1999-09-01
28 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
29 <151> PRIOR FILING DATE: 1999-09-15
31 <150> PRIOR APPLICATION NUMBER: US 60/169,495
32 <151> PRIOR FILING DATE: 1999-12-07
34 <150> PRIOR APPLICATION NUMBER: US 60/170,262
35 <151> PRIOR FILING DATE: 1999-12-09
37 <150> PRIOR APPLICATION NUMBER: US 60/175,481
38 <151> PRIOR FILING DATE: 2000-01-11
40 <150> PRIOR APPLICATION NUMBER: PCT/US00/04341
41 <151> PRIOR FILING DATE: 2000-02-18
43 <150> PRIOR APPLICATION NUMBER: PCT/US00/04342
44 <151> PRIOR FILING DATE: 2000-02-18
46 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
47 <151> PRIOR FILING DATE: 2000-02-22
49 <150> PRIOR APPLICATION NUMBER: PCT/US00/05601
50 <151> PRIOR FILING DATE: 2000-03-01
52 <150> PRIOR APPLICATION NUMBER: US 60/187,202
53 <151> PRIOR FILING DATE: 2000-03-03
55 <150> PRIOR APPLICATION NUMBER: US 60/191,007
56 <151> PRIOR FILING DATE: 2000-03-21
58 <150> PRIOR APPLICATION NUMBER: PCT/US00/06439
59 <151> PRIOR FILING DATE: 2000-03-10
61 <150> PRIOR APPLICATION NUMBER: US 60/199,397
62 <151> PRIOR FILING DATE: 2000-04-25

RAW SEQUENCE LISTING

PATENT APPLICATION: **US/10/063,557**

DATE: 02/12/2003

TIME: 07:59:05

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

64 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
65 <151> PRIOR FILING DATE: 2000-05-22
69 <150> PRIOR APPLICATION NUMBER: US 60/209,832
70 <151> PRIOR FILING DATE: 2000-06-05
72 <160> NUMBER OF SEQ ID NOS: 170

ERRORED SEQUENCES

12968 <210> SEQ ID NO: 170
12969 <211> LENGTH: 41
12970 <212> TYPE: DNA
12971 <213> ORGANISM: Artificial Sequence
12973 <220> FEATURE:
12974 <223> OTHER INFORMATION: Synthetic oligonucleotide probe
12976 <400> SEQUENCE: 170
12977   caggaaacag ctatgaccac ctgcacacct gcaaatccat t 41
E--> 12981 (148)

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/063,557**

DATE: 02/12/2003
TIME: 07:59:07

Input Set : **N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt**
Output Set: **N:\CRF4\02122003\J063557.raw**

L:5838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1500
L:12981 M:254 E: No. of Bases conflict, this line has no nucleotides.